

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052424\
 Data File : VV035760.D
 Acq On : 24 May 2024 20:20
 Operator : SY/MD
 Sample : P2589-02
 Misc : 5.16g/10.0mL/MSVOA_V/SOIL/VIAL A
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 25 02:47:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 25 02:41:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

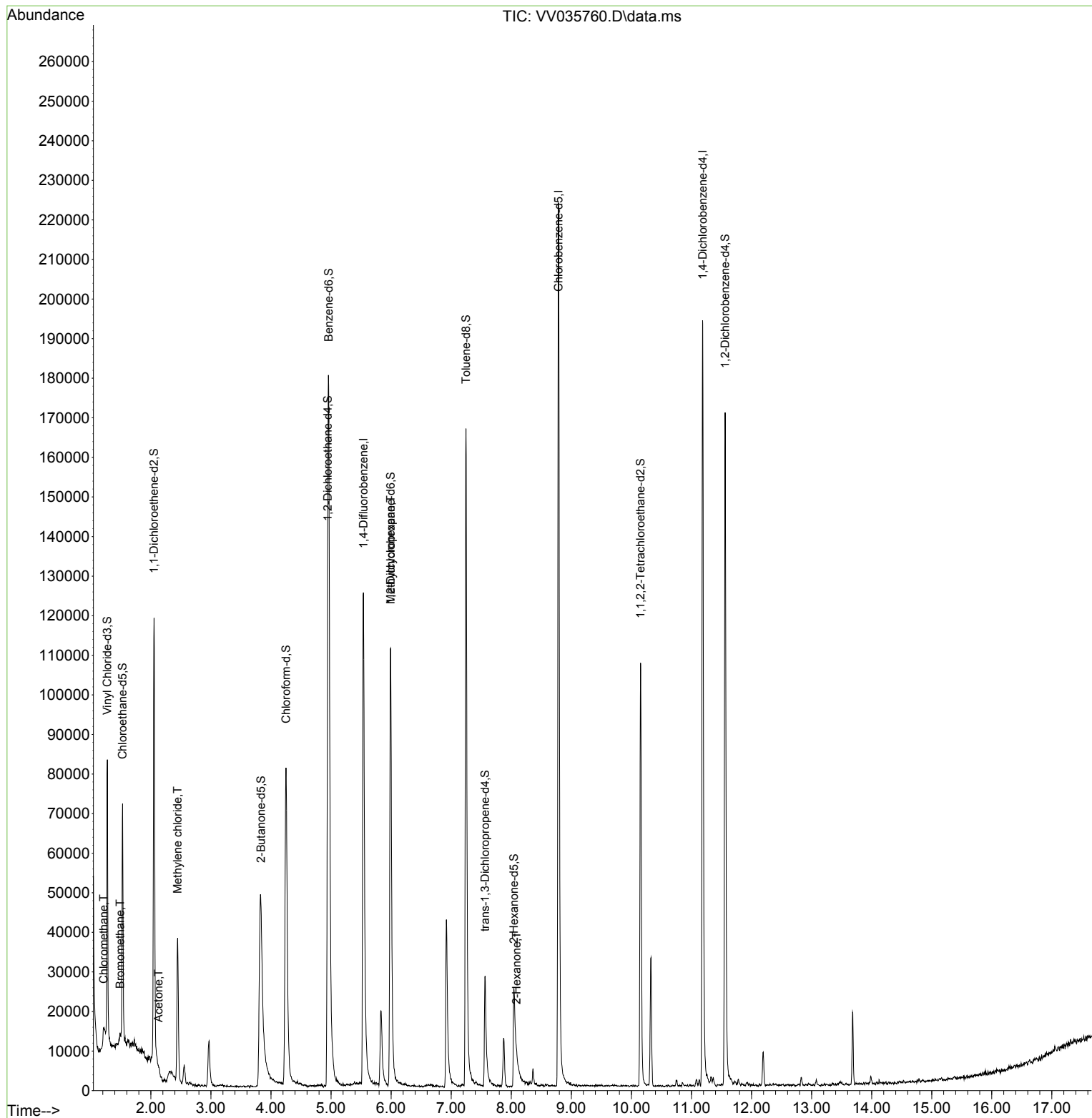
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	118511	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	134140	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	55385	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	45268	24.713	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.840%
7) Chloroethane-d5	1.529	69	39100	26.460	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.840%
11) 1,1-Dichloroethene-d2	2.053	65	19518	24.069	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.280%
21) 2-Butanone-d5	3.835	46	21056	40.506	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.020%
24) Chloroform-d	4.249	84	91604	26.000	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	4.944	65	60197	34.561	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	138.240%#
32) Benzene-d6	4.960	84	158128	21.535	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.160%
36) 1,2-Dichloropropane-d6	5.992	67	59006	26.039	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.160%
41) Toluene-d8	7.246	98	121397	18.576	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.320%
43) trans-1,3-Dichloroprop...	7.564	79	20432	21.083	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.320%
47) 2-Hexanone-d5	8.043	63	8262	20.276	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	40.560%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	54940	25.161	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.640%
66) 1,2-Dichlorobenzene-d4	11.561	152	48806	25.392	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.560%
Target Compounds						Qvalue
3) Chloromethane	1.214	50	1411	0.583	ug/L	96
6) Bromomethane	1.487	94	938	0.593	ug/L	74
13) Acetone	2.127	43	3368	4.426	ug/L	83
16) Methylene chloride	2.446	84	16177	5.919	ug/L	91
35) Methylcyclohexane	5.992	83	14014	3.676	ug/L #	20
48) 2-Hexanone	8.088	43	2258	2.171	ug/L #	41

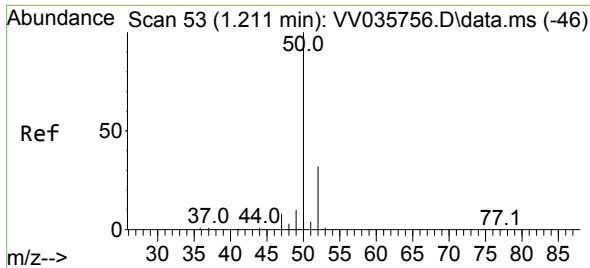
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat May 25 02:41:55 2024
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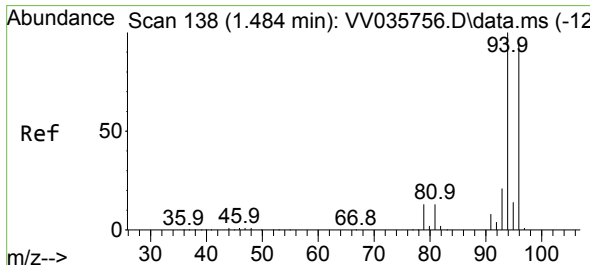
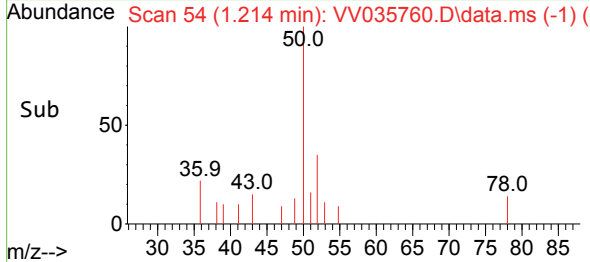
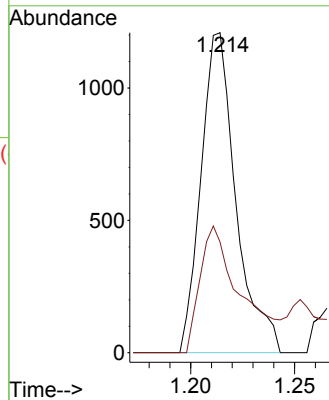
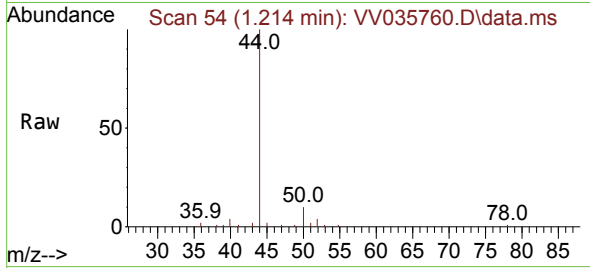




#3
Chloromethane
Concen: 0.583 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.003 min
Lab File: VV035760.D
Acq: 24 May 2024 20:20

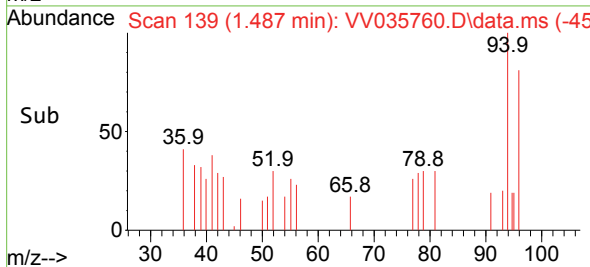
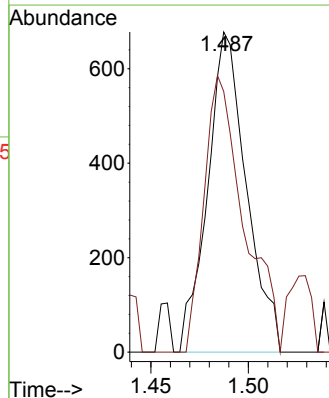
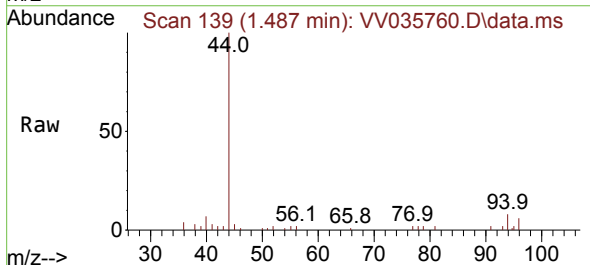
Instrument :
MSVOA_V
ClientSampleId :

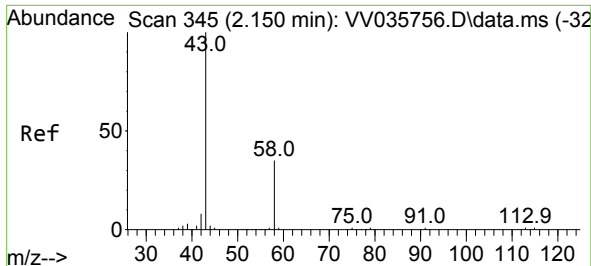
Tgt Ion: 50 Resp: 1411
Ion Ratio Lower Upper
50 100
52 34.6 22.7 42.1



#6
Bromomethane
Concen: 0.593 ug/L
RT: 1.487 min Scan# 139
Delta R.T. 0.003 min
Lab File: VV035760.D
Acq: 24 May 2024 20:20

Tgt Ion: 94 Resp: 938
Ion Ratio Lower Upper
94 100
96 68.6 65.2 121.0





#13

Acetone

Concen: 4.426 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV035760.D

Acq: 24 May 2024 20:20

Instrument :

MSVOA_V

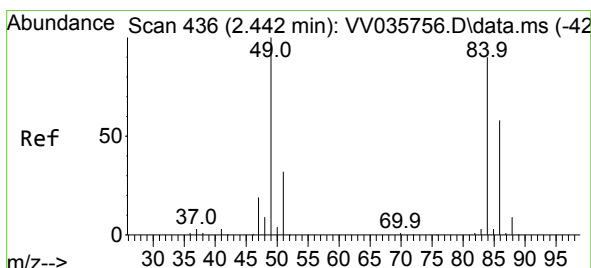
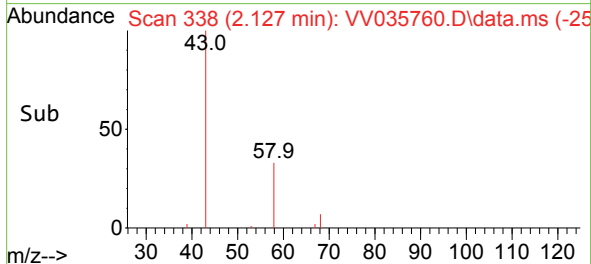
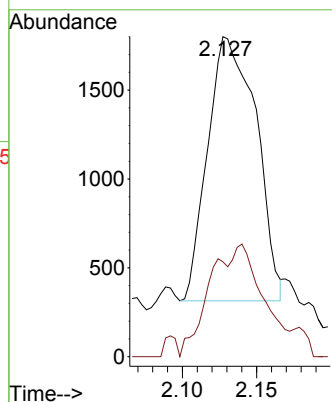
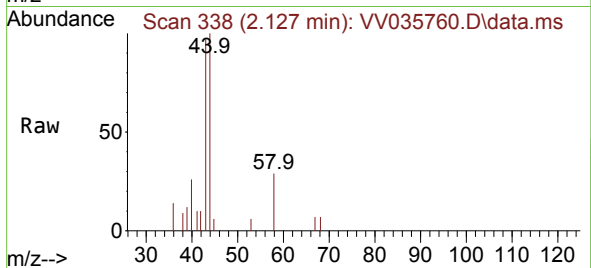
ClientSampleId :

Tgt Ion: 43 Resp: 3368

Ion Ratio Lower Upper

43 100

58 17.8 0.0 22.8



#16

Methylene chloride

Concen: 5.919 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV035760.D

Acq: 24 May 2024 20:20

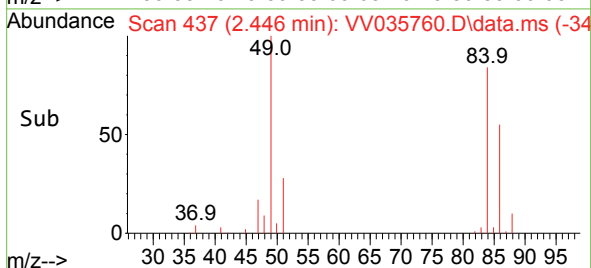
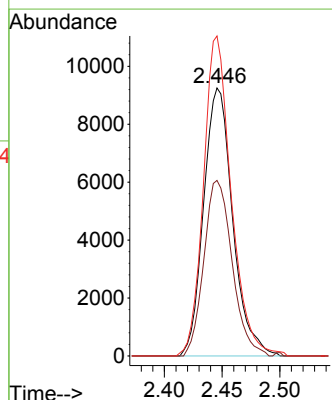
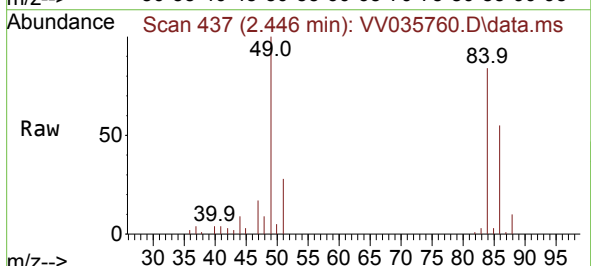
Tgt Ion: 84 Resp: 16177

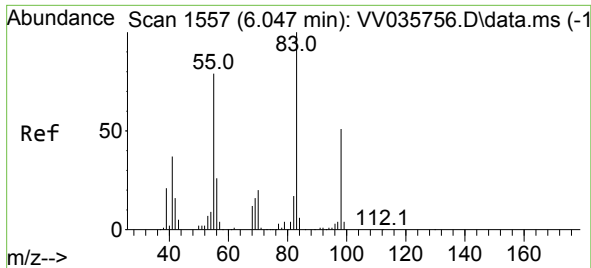
Ion Ratio Lower Upper

84 100

86 65.5 43.8 81.3

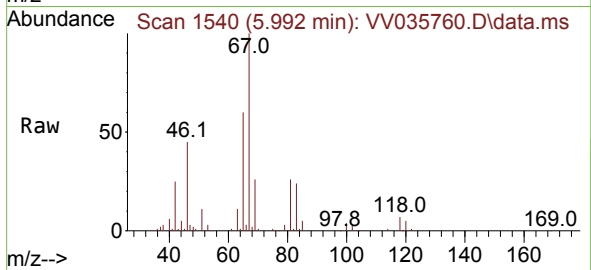
49 119.4 75.3 139.9



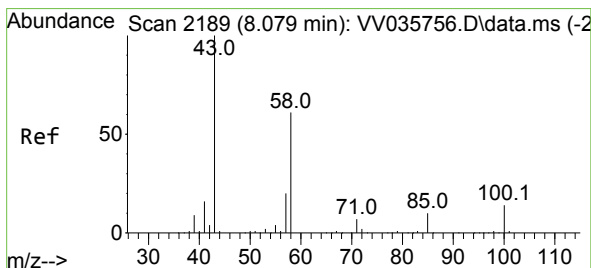
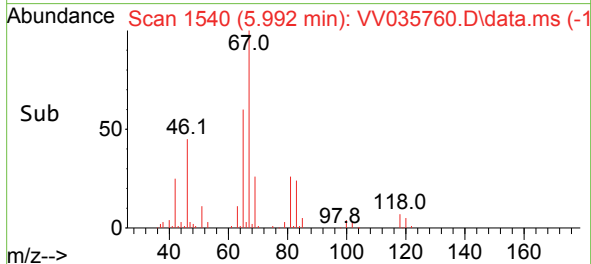
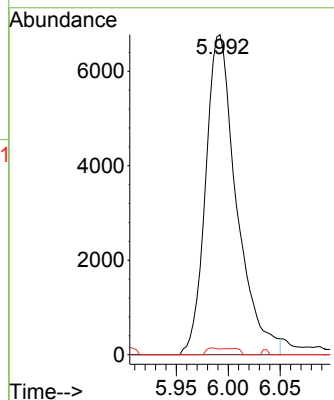


#35
Methylcyclohexane
Concen: 3.676 ug/L
RT: 5.992 min Scan# 11
Delta R.T. -0.055 min
Lab File: VV035760.D
Acq: 24 May 2024 20:20

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 83 Resp: 14014
Ion Ratio Lower Upper
83 100
55 0.0 57.5 86.3#
98 0.9 38.6 58.0#



#48
2-Hexanone
Concen: 2.171 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.010 min
Lab File: VV035760.D
Acq: 24 May 2024 20:20

Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
58 6.3 48.8 73.2#
57 1.9 16.9 25.3#
100 1.9 11.7 17.5#

